| Index of | Claims |
|----------|--------|
|          |        |

| Application No. | Applicant(s)  |        |
|-----------------|---------------|--------|
| 10/019,521      | SCHILLER, PET | TER J. |
| Examiner        | Art Unit      |        |

Jessica T Stultz

2873

| √  | Rejected |
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| H. | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |  |
|---|--------------|--|
|   | Interference |  |

| Ą | Appeal   |
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| 0 | Objected |

| Cla         | aim      |          |          |  | D         | ate                        |           |          |               | 7::::    | CI       | aim      |                 |                       |               | Date     | e               |          |  | ]::::[   | Cla   | aim      |          |                      |           | Date     | e         |               |          |
|-------------|----------|----------|----------|--|-----------|----------------------------|-----------|----------|---------------|----------|----------|----------|-----------------|-----------------------|---------------|----------|-----------------|----------|--|----------|-------|----------|----------|----------------------|-----------|----------|-----------|---------------|----------|
|             | i        |          |          |  | Ť         | Ť                          | Т         | Т        | Т             | <b> </b> |          | 1        | $\Box$          |                       | $\neg$        | ŤÏ       | П               | $\neg$   | T  | 1        |       |          | $\neg$   | Т                    | Т         | T        |           | T             | $\top$   |
| <u>a</u>    | Original | 10/22/03 | 8        |  |           |                            |           |          |               |          | <u>a</u> | Original |                 |                       | - 1           |          |                 |          |  |          | ā     | Original | - 1      |                      |           |          |           |               |          |
| Final       | įį       | 122      | 4/1/04   |  |           |                            |           |          |               |          | Final    | Ē        |                 |                       |               |          |                 |          |  |          | Final | į        | - {      |                      |           |          |           | 1             | ĺ        |
| "           | ō        | 유        | 4        |  |           |                            |           |          |               |          | "        | ΙÕ       |                 |                       | -1            |          |                 |          |  |          | -     | ō        |          |                      |           | -        |           |               |          |
| <u> </u>    | 1        | -1       | 1        |  | +         | +                          | -         | +        | +             | -        | -        |          | $\vdash$        | $\vdash$              | +             | +        | $\vdash \vdash$ |          | <del> </del>   |          |       | 104      |          | +                    | +         | +        | $\vdash$  | +             | +        |
| <u> </u>    | 1        | 1        |          | -+   | +         | +                          | +         | 4        |               | - :::    | <u> </u> | 51       | ┥               | $\vdash$              | +             | +        | ₩               | +        | ₩  | 4::::    |       | 101      | -        |                      | +         | +        | -         | $\dashv$      | +        |
|             | 2        | 1        | 1        | $\dashv$   |           | -                          | _         | 4        | - -           | -        | <u> </u> | 52       | $\vdash$        | $\vdash$              | +             | $\vdash$ | Ш               | -        | -  | 4        |       | 102      | +        |                      | ┼         | ┼        | $\vdash$  | $\dashv$      | -        |
|             | 3        | 1        | 1        | $\perp$  | 4         | _                          | 4         | 4        |               | _  ::    | <u> </u> | 53       |                 | $\sqcup$              | 4             |          |                 |          | $oxed{igspace}$  |          |       | 103      | $\dashv$ | 4                    | ┿         | ↓        |           |               | _        |
|             | 4        | 1        | 1        | $\dashv$   | _         | _                          | 4         | 4        | _ _           | _        | <u> </u> | 54       |                 | Щ                     | 4             | $\perp$  |                 |          | ┺  | J.       |       | 104      |          |                      | 4_        | ₩        | $\sqcup$  | _             |          |
|             | 5        | 1        | 1        |  |           | _ _                        | _         | _        |               | _        | L        | 55       |                 | $\Box$                | 丄             | $\perp$  | Ш               |          | 上  | ]        |       | 105      |          | $\bot$               | _         | $\perp$  |           |               |          |
| L           | 6        | 1        | 1        |  |           | $\perp$                    | _         | _        |               |          |          | 56       |                 |                       | $\perp$       |          | Ш               |          | $oldsymbol{ol}}}}}}}}}}}}}}$ | J        |       | 106      |          |                      | _         |          |           |               |          |
| <u></u>     | 7        | 1        | 1        |  |           | $\perp$                    | _ _       |          | ┸             |          | <u></u>  | 57       | Ш               | oxed                  | ┸             |          | Ш               | _        | <u> </u>   |          |       | 107      | $\perp$  |                      |           |          | Ш         |               |          |
|             | 8        | 1        | 1        |  |           |                            |           | $\perp$  | $\perp$       | _ ::::   |          | 58       |                 |                       | $\perp$       |          |                 |          |  |          |       | 108      |          | $\perp$              |           |          |           |               |          |
|             | 9        | 7        | 1        |  |           |                            |           |          |               | ::::     |          | 59       |                 |                       |               | 1        |                 |          | L  | ]:::::   |       | 109      |          |                      |           | 1        |           |               |          |
|             | 10       | 0        | 0        |  | $\neg$    |                            | T         | П        |               | 7:::     |          | 60       |                 | П                     | Т             |          | П               |          | П  |          |       | 110      |          |                      |           |          |           |               |          |
|             | 11       | 1        | 1        |  |           | $\neg$                     | 丁         |          |               | 7:::     |          | 61       |                 |                       | T             |          | П               | $\top$   |  | ]        |       | 111      |          | Т                    |           |          |           |               |          |
|             | 12       | 1        | 1        |  | $\neg$    | $\dashv$                   | 7         | T        | T             | 7        |          | 62       | П               |                       | $\top$        | $\top$   | П               |          | Τ  | 1        |       | 112      |          | $\neg$               | Τ         | $\top$   |           |               |          |
|             | 13       | 1        | 1        |  | +         | $\top$                     | _         | $\neg$ † | $\dashv$      | 7:::     |          | 63       | $\Box$          |                       | ┰             | $\top$   | П               |          | 1  |          |       | 113      |          | 1                    | T         | Т        |           |               |          |
|             | 14       | 1        | 1        |  | $\dashv$  | _                          | -         | -        | $\top$        | 788      |          | 64       | П               | 1                     | $\top$        | $\top$   | П               | $\neg$   | 1  |          |       | 114      | $\neg$   | 1                    | 1         | 1        | $\Box$    |               |          |
|             | 15       | 1        | i        |  | $\dashv$  | _                          | -+        | $\dashv$ | $\dashv$      | 1:::     |          | 65       | Н               |                       | +             | $\top$   | Н               | _        | T  | 1:::     |       | 115      | $\dashv$ | $\top$               | $\top$    | +        |           | - †-          | $\top$   |
|             | 16       | 1        | 1        | <del>   </del>                                   | +         | $\dashv$                   | +         | +        | $\dashv$      | 1        | 1        | 66       | $\vdash$        | -                     | -+-           | +        | H               |          | t  | 1        |       | 116      | $\dashv$ | $\dashv$             | +         | T        |           | -+            | $\vdash$ |
|             | 17       | 1        | 1        |  | -+        | $\dashv$                   | +         | +        | +             | -        | $\vdash$ | 67       | ╁╌╢             | $\vdash$              | +-            | ╅╌┤      | ┨               |          | ╁╴   | 1::::    | _     | 117      | -+       | +                    | +-        | +        |           |               | +        |
|             | 18       | 1        | 1        |  | +         | +                          | +         | +        | +             | -        | -        | 68       | $\vdash$        | $\vdash \vdash$       | +             | +        | Н               | $\dashv$ | $\vdash$   | 1        |       | 118      | $\dashv$ | +                    | +-        | +-       | $\vdash$  | $\dashv$      | $\dashv$ |
|             |          | -        |          |  | +         | +                          | +         | +        | +             | -        |          |          |                 | $\vdash \vdash$       | +             | +        | H               | +        | +  | 1        | -     | 119      |          | -+-                  | +-        | +        | -         |               | -        |
|             | 19       | 1        | 1        | $\vdash$   | +         | +                          | +         | +        | +             | 4:::     | -        | 69       | $\vdash$        | $\vdash \vdash$       | +             | +        | $\vdash \vdash$ | +        | ╄  | 4::::    |       |          | +        | +                    | +         | +        |           |               |          |
|             | 20       | 1        | 1        | $\vdash \vdash$                                  | -         | _                          | -         | -        |               | -        | <u> </u> | 70       | $\vdash$        | $\vdash \vdash$       | -             | +        | $\vdash \vdash$ |          | -  | <b> </b> |       | 120      | $\dashv$ | +                    | +         | -        | $\vdash$  | -             | +        |
|             | 21       | 0        | 0        | $\vdash$   | -         | +                          | 4         | $\dashv$ |               | -        |          | 71       | $\vdash \vdash$ | $\vdash$              | +             | +        | $\sqcup$        | +        | $\vdash$   | 4:::     |       | 121      |          | +                    | +         | +        | $\square$ | $\vdash$      |          |
|             | 22       | 0        | 0        | $\sqcup$   | $\perp$   | _                          | $\perp$   |          |               | 4        |          | 72       | Ш               | $\sqcup \!\!\! \perp$ |               | 1        | Ш               |          | <u> </u>   | 1        |       | 122      | $\dashv$ | +                    | $\perp$   | 1        | $\sqcup$  |               |          |
| L           | 23       | √        | 1        | $\sqcup \! \! \perp$                             | $\perp$   |                            | 4         | 4        |               | 4        | <u> </u> | 73       | Ш               | Щ                     |               |          | Щ               | $\bot$   | <u> </u>   |          |       | 123      | _        |                      | $\perp$   | 1        | Ш         |               |          |
|             | 24       | 1        | 1        |  | _         | _                          | _         | 4        |               | _ ::::   | <u> </u> | 74       | Ш               |                       |               |          | Щ               | $\bot$   | 1  | 1        |       | 124      |          |                      | $\perp$   | 1_       | Ш         | $\sqcup$      | $\bot$   |
|             | 25       | 1        | 1        |  | $\perp$   | $\perp$                    | $\perp$   |          | $\perp$       | _        | L        | 75       | Ш               |                       | $\bot$        |          | Ш               | $\perp$  | $\perp$  |          |       | 125      | _        |                      | 1         | $\perp$  | Ш         | $\sqcup \bot$ |          |
|             | 26       | 4        | 1        |  | $\Box$    |                            |           |          |               |          |          | 76       |                 |                       | 上             |          | Ш               |          |  |          |       | 126      |          | $\perp \!\!\! \perp$ | $\perp$   |          | L         |               |          |
|             | 27       | 4        | 7        |  | $_{ m I}$ | T                          | $_{ m I}$ | _[       | $\Box \Gamma$ | ]:::     |          | 77       |                 | $\Box I$              | 工             |          |                 |          | $\Box$   |          |       | 127      |          |                      |           |          | $\Box$    |               |          |
|             | 28       |          |          |  | $\top$    | $\top$                     | $\top$    | $\top$   |               | 7        |          | 78       | П               |                       | T             |          |                 |          |  | ]::::    |       | 128      | $\Box T$ |                      | Ī         |          |           |               |          |
|             | 29       |          |          |  | 寸         | T                          | ╅         | $\neg$   |               | 7:::     |          | 79       | $\Box$          |                       | T             |          | П               | $\top$   |  | 1::::    |       | 129      |          | 7                    | T         |          | П         |               |          |
|             | 30       |          |          |  | $\dashv$  | $\dashv$                   | _         | _        | $\neg$        | 7        |          | 80       | П               | $\sqcap$              | 十             |          | $\Box$          |          | T  | 1        |       | 130      | $\neg$   | 7                    | Ť         | 1        | П         |               |          |
|             | 31       |          |          |  | $\dashv$  | $\dashv$                   | $\dashv$  | 十        | _             | 1:::     |          | 81       | П               | $\vdash$              | 十             | 1        | П               | $\neg$   | T  | 1::::    |       | 131      | $\neg$   | $\neg$               | 1         | 1        | П         |               |          |
| <b> </b>    | 32       | $\vdash$ |          |  | 十         | $\dashv$                   | $\dashv$  | +        | +             | 1:::     |          | 82       | т               | $\vdash$              | -             | $\top$   | $\Box$          | $\dashv$ |  | 1::::    |       | 132      | $\dashv$ | $\dashv$             | $\dagger$ | T        | Н         | -             | $\top$   |
| <b>—</b> —  | 33       | $\vdash$ | $\vdash$ | $\vdash$   | _         | +                          | +         | $\dashv$ | +             | 1        | -        | 83       | т               | $\vdash$              | +             | $\top$   | $\vdash$        | $\dashv$ | 1  | 1:::     |       | 133      | $\dashv$ |                      | $\top$    | $\top$   | $\vdash$  | $\dashv$      | $\top$   |
| h           | 34       | $\vdash$ | $\vdash$ | $\vdash$   | +         | +                          | +         | $\dashv$ | +             | -        | -        | 84       | Н               | $\vdash$              | +             |          | $\vdash$        |          | +  | 1        |       | 134      |          | $\dashv$             | +         | +-       | Н         |               |          |
|             | 35       | $\vdash$ | -        | $\vdash$   | +         | +                          | +         | +        | +             | -        | $\vdash$ | 85       | $\vdash$        | $\vdash \vdash$       | $\dashv$      | +        | $\vdash$        | +        | +  | 1:::     |       | 135      | -        | +                    | +         | +        | Н         | +             | $\dashv$ |
|             | 36       | $\vdash$ | $\vdash$ | <del>                                     </del> | +         | $\dashv$                   | $\dashv$  | $\dashv$ |               | - :::    | -        | 86       | $\vdash$        | ⊢⊹                    | +             | +        | $\vdash$        | +        | +  | 1        |       | 136      | +        | +                    | +         | +        | $\vdash$  | ++            | +-       |
| <del></del> |          | -        | -        | $\vdash$   | +         | $\dashv$                   | -+        | +        |               | -        | -        |          | $\vdash$        | <del>  -</del>        |               | +        | $\vdash$        | $\dashv$ | +  | 1        |       | 137      | -        | +                    | +         | +-       | $\vdash$  | -             | +        |
|             | 37       |          | <u> </u> | $\dashv$   | $\dashv$  | $\dashv$                   | +         | +        | +             | -        |          | 87       | -               |                       |               | +-       | $\vdash$        |          | +  | 4::::    |       |          | -        |                      | +-        | +-       | $\vdash$  | $\vdash$      | +        |
|             | 38       | <u> </u> | <u> </u> | -  | -         | -                          | +         | 4        | -             | 4        | <u> </u> | 88       | $\vdash$        | $\vdash \vdash$       | _             | +        |                 |          | ╄  | 4::::    |       | 138      |          |                      | +-        | +-       | $\vdash$  |               | +        |
| <u></u>     | 39       | <u> </u> |          | $\vdash \vdash$                                  | _         | $\perp$                    | $\dashv$  | 4        | -             | 4        | <b> </b> | 89       | $\vdash$        | $\vdash \vdash$       |               | +        | $\vdash$        |          | +  | 4:::     |       | 139      | -        |                      |           | ₩        | $\vdash$  | $\vdash$      |          |
| <u></u>     | 40       | _        | _        | $\sqcup$   | _         | $\dashv$                   | _         | _        | _             | 4:::     | <u> </u> | 90       |                 | $\vdash \vdash$       |               | -        | _               | _ _      | 4_   | 4::::    |       | 140      | +        | +                    | $\bot$    | ╀-       | $\vdash$  | $\vdash$      | -        |
| L           | 41       |          | L        | Щ.   | $\perp$   | $\perp$                    | _         | $\perp$  |               | 4:::     | <u></u>  | 91       | Ш               | $\sqcup \bot$         |               | $\perp$  | $\sqcup$        |          | 1_   | 4        |       | 141      | _        | _ _                  | +-        | $\vdash$ | Ш         | $\sqcup$      | 4        |
|             | 42       |          | <u> </u> |  |           |                            | $\perp$   |          |               |          |          | 92       | Ш               | $\sqcup \!\!\! \perp$ | 丄             |          | $\sqcup$        | _        | 1_   | 4::::    |       | 142      |          | _ _                  | 4         | _        | Ш         | $\sqcup$      | $\bot$   |
|             | 43       | L        | L        |  |           |                            |           |          |               |          |          | 93       | $\sqcup$        | $\sqcup \bot$         | $\bot$        |          | Ш               |          | $\perp$  | ]::::    |       | 143      |          | $\bot$               | $\perp$   | _        | Ш         | $\sqcup$      |          |
|             | 44       |          | L        |  | $\Box$    | $\Box$                     | _]        | $\prod$  |               | :::      | <u></u>  | 94       | $\Box$          | $\Box$                |               |          |                 |          |  |          |       | 144      |          |                      |           | 上        | Ш         |               |          |
|             | 45       |          |          |  |           | ${oldsymbol{	extstyle T}}$ |           |          |               |          |          | 95       |                 | $\Box T$              | 工             |          |                 |          |  |          |       | 145      | $\Box$   |                      | ╧         | L        |           |               |          |
|             | 46       | <u> </u> |          |  | $\neg$    | T                          | $\neg$    | $\neg$   |               | 7        |          | 96       | П               | $\Box$                | $\top$        |          |                 |          |  |          |       | 146      |          |                      | Τ         |          |           |               |          |
|             | 47       |          |          |  | T         | 寸                          | 7         | $\neg$   |               | 7        |          | 97       | П               | $\Box$                | $\neg \vdash$ |          | П               |          | Τ  |          |       | 147      | $\neg$   |                      |           | Π        |           |               |          |
|             | 48       | T        |          | $\vdash$   | $\dashv$  | T                          | $\dashv$  | $\dashv$ |               | 7        |          | 98       | П               | $\sqcap$              | $\neg \vdash$ | $\top$   | П               |          | Ť  |          |       | 148      |          |                      |           | Τ        |           |               |          |
|             | 49       |          |          | $\vdash$   | 十         | 寸                          | 十         | +        | _             | 7        |          | 99       | П               | $\Box$                | $\top$        | $\top$   | П               |          | $\top$   |          |       | 149      | $\neg$   | $\neg$               | 1         | T        | П         | $\Box$        |          |
|             | 50       | $\vdash$ |          | $\vdash$   | $\dashv$  | $\dashv$                   | ╅         | $\dashv$ | $\dashv$      | 1        | -        | 100      | $\vdash$        | $\vdash$              | _             | 1        | Н               |          | 1  | 1        |       | 150      | _        | - -                  | $\top$    | T        | Н         | $\vdash$      | $\top$   |
|             |          | Ц_       | Ц.       |  |           |                            |           |          |               |          |          | 1.00     |                 |                       |               |          |                 |          |  | ا: ، و   |       | لتتنا    |          |                      |           |          |           |               |          |